Docket No.

242814US2SRD

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF: Tomio ONO, et al.

SERIAL NO: NEW APPLICATION

GAU:

FILED:

HEREWITH

EXAMINER:

FOR:

.....

MICROSWITCH AND METHOD OF MANUFACTURING THE SAME

INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR 1.97

COMMISSIONER FOR PATENTS ALEXANDRIA, VIRGINIA 22313

SIR:

Applicant(s) wish to disclose the following information.

REFERENCES

- The applicant(s) wish to make of record the references listed on the attached form PTO-1449. Copies of the listed references are attached, where required, as are either statements of relevancy or any readily available English translations of pertinent portions of any non-English language references.
- ☐ A check is attached in the amount required under 37 CFR §1.17(p).

RELATED CASES

- Attached is a list of applicant's pending application(s) or issued patent(s) which may be related to the present application. A copy of the patent(s), together with a copy of the claims and drawings of the pending application(s) is attached along with PTO 1449.
- ☐ A check is attached in the amount required under 37 CFR §1.17(p).

CERTIFICATION

- Each item of information contained in this information disclosure statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement.
- □ No item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the undersigned, having made reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this statement.

DEPOSIT ACCOUNT

Please charge any additional fees for the papers being filed herewith and for which no check or credit card payment form is enclosed herewith, or credit any overpayment to deposit account number 15-0030. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, P.C.

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C. Irvin McClelland Ragistration Number 21,124

Customer Number

22850

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Form PTO 1449 (Modified)	_	U.S. DEPARTMENT O		ATTY DOCKET NO.		SERIAL NO. NEW APPLICATION		
				242814US2SRD				
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LIST OF REFERENCES CITED BY APPLICANT			Tomio ONO, et al.					
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U.S. PATENT DOCUMENTS								
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OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)								
Paul M. ZAVRACKY, et al., "Micromechanical Switches Fabricated Using Nickel Surface Micromachining",								
	AW	JOURNAL OF MICROELECTROMECHANICAL SYSTEMS, Vol. 6, No. 1, March 1997, pgs. 3-9						
	AX	S. ERTL, et al., "Surface Micromachined Diamond Microswitch", DIAMOND AND RELATED MATERIALS, Vol. 9, 2000, pgs 970-974						
	AY	M. ADAMSCHIK, et al., "Diamond Microwave Micro Relay", DIAMOND AND RELATED MATERIALS, Vol. 11, 2002, pgs. 672-676						
	ΑZ			Additional References sheet(s) attached				
Examiner					Date Considered			
*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.								

DOCKET NO: 242814US2SRD Sheet <u>1</u> of <u>1</u>

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FOR: MICROSWITCH AND METHOD OF MANUFACTURING THE SAME

STATEMENT OF RELEVANCY

Reference AW on Form PTO- 1449:

This reference shows typical micromachined microswitch structure (Fig. 1.) and fabrication process (Fig. 2.).

Reference AX on Form PTO- 1449:

This reference shows diamond microswitch structure (Fig. 1.) and fabrication process (Fig. 2.). In this reference, it was reported that no sticking was observed.

Reference AY on Form PTO- 1449:

This reference shows diamond microswitch structure to reduce contact resistance (Fig. 2.). But diamond contact is mechanically weak and reduction of contact resistance is insufficient.